PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220	
C2949-PCT	ACTION as w	vell as, where applicable, item 5 below.	
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)	
PCT/BE2004/000118 .	16/08/2004 14/08/2003		
Applicant			
D. COLLEN RESEARCH FOUNDAT	rion vzw		
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching A ansmitted to the International Bureau.	uthority and is transmitted to the applicant	
This International Search Report consists	of a total of sheets.		
X It is also accompanied by	a copy of each prior art document cited in t	nis report.	
	international search was carried out on the ess otherwise indicated under this item.	basis of the international application in the	
The international this Authority (Ru		nslation of the international application furnished to	
b. X With regard to any nucleo	otide and/or amino acid sequence disclos	ed in the international application, see Box No. I.	
2. X Certain claims were fou	nd unsearchable (See Box II).		
3. Unity of invention is lac	king (see Box III).		
4. With regard to the title,			
the text is approved as su	bmitted by the applicant.		
, —	hed by this Authority to read as follows:		
ANTIBODIES AGAINST FAC	CTOR VIII WITH MODIFIED GLY	COSYLATION IN THE VARIABLE REGIO	
		·	
5. With regard to the abstract,	Lander de la constitución		
X the text is approved as su		ority as it appears in Box No. IV. The applicant	
		arch report, submit comments to this Authority.	
6. With regard to the drawings,			
a. the figure of the drawings to be p	published with the abstract is Figure No8	<u> </u>	
X as suggested by t	the applicant.		
	s Authority, because the applicant failed to s		
	s Authority, because this figure better chara	cterizes the invention.	
b none of the figures is to be	e published with the abstract.		

INTERNATIONAL SEARCH REPORT

International application No.

PCT/BE2004/000118

Вох	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1.	With re	gard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed on, the international search was carried out on the basis of:
	_	rpe of material X a sequence listing table(s) related to the sequence listing
		ormat of material X in written format X in computer readable form
	[me of filing/furnishing X contained in the international application as filed X filed together with the international application in computer readable form furnished subsequently to this Authority for the purpose of search
2.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Addition	nal comments:

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61P07/02 A61K39/395 C07K16/36

According to International Patent Classification (IPC) or to both national classification and IPC

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, Sequence Search

C. DOCUMENTS	CONSIDERED TO	BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/04269 A (SAINT REMY JEAN MARIE R ; JACQUEMIN MARC G (BE); LEUVEN RES & DEV VZW) 18 January 2001 (2001-01-18) page 25, line 4 - page 26, line 8 examples 5,7 figures 8,9	30,31
X	KALLAS ADE ET AL: "Epitope specificity of anti-FVIII antibodies during immune tolerance therapy with factor VIII preparation containing von Willebrand factor." THROMBOSIS RESEARCH, vol. 107, no. 6, 15 September 2002 (2002-09-15), pages 291-302, XP008041463 ISSN: 0049-3848 page 295, right-hand column, paragraph 2	26,30,31
	-/	

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 	 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family
Date of the actual completion of the international search 19 January 2005	Date of mailing of the international search report $02/02/2005$
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer COVONE-VAN HEES, M

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(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	SINGH INDERJIT ET AL: "Antithrombotic effects of controlled inhibition of factor VIII with a partially inhibitory human monoclonal antibody in a murine vena cava thrombosis model." BLOOD. 1 MAY 2002, vol. 99, no. 9, 1 May 2002 (2002-05-01), pages 3235-3240, XP002314128 ISSN: 0006-4971	30,31
·	the whole document	15-19
Ą	WRIGHT A: "ANTIBODY VARIABLE REGION GLYCOSYLATION: POSITION EFFECTS ON ANTIGEN BINDING AND CARBOHYDRATE STRUCTURE" EMBO JOURNAL, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 10, no. 10, 1 October 1991 (1991-10-01), pages 2717-2723, XP000219694 ISSN: 0261-4189 page 2717, right-hand column, lines 25-31 page 2720, right-hand column, lines 1-6 page 2721, left-hand column, lines 14-17 table II	1-33
A	KATO MASATOSHI ET AL: "Activity enhancement of a lung cancer-associated human monoclonal antibody HB4C5 by N-deglycosylation" HUMAN ANTIBODIES AND HYBRIDOMAS, vol. 4, no. 1, 1993, pages 9-14, XP008041607 abstract	1-33
A .	SATO KOH ET AL: "Humanization of an anti-human IL-6 mouse monoclonal antibody glycosylated in its heavy chain variable region" HUMAN ANTIBODIES AND HYBRIDOMAS, vol. 7, no. 4, 1996, pages 175-183, XP008041468 ISSN: 0956-960X abstract	1-33
	KHURANA SUMIT ET AL: "The variable domain glycosylation in a monoclonal antibody specific to GnRH modulates antigen binding" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 234, no. 2, 1997, pages 465-469, XP008041466 ISSN: 0006-291X page 467, left-hand column, paragraph 2	1-33

		PC1/BE2004/000118
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α.	EP 0 822 255 A (WELLCOME FOUND) 4 February 1998 (1998-02-04) the whole document	1
Ρ,Χ	DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 16 November 2003 (2003-11-16), JACQUEMIN MARC G ET AL: "Glycosylation of a type 2 factor VIII inhibitor determines its maximum level of FVIII inhibition." XP002314129 Database accession no. PREV200400181293 abstract	1-33
P,X	& BLOOD, vol. 102, no. 11, 16 November 2003 (2003-11-16), page 163a, 45TH ANNUAL MEETING OF THE AMERICAN SOCIETY OF HEMATOLOGY; SAN DIEGO, CA, USA; DECEMBER 06-09, 2003 ISSN: 0006-4971	1-33

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International application No. PCT/BE2004/000118

INTERNATIONAL SEARCH REPORT

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. χ	Claims Nos.: 15-19 (partially) because they relate to subject matter hot required to be searched by this Authority, namely:
	Although claims 15-19 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	rnational Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark	on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REFORT

Information on patent family members

International Application No PCT/BE2004/000118

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0104269 A	18-01-2001	AU 6273000 A CA 2381125 A1 WO 0104269 A1 EP 1194528 A1 JP 2003504045 T	30-01-2001 18-01-2001 18-01-2001 10-04-2002 04-02-2003
EP 0822255 A	04-02-1998	EP 1247865 A2 EP 0822255 A2 AT 176926 T AU 645355 B2 AU 8591491 A CA 2053585 A1 DE 69130912 D1 DE 69130912 T2 DK 481790 T3 EP 1484402 A2 EP 0481790 A2 ES 2131507 T3 GR 3030289 T3 IE 913558 A1 JP 6090752 A NZ 240249 A US 2002182208 A1 US 2003035799 A1 US 5545403 A US 5545404 A US 5545405 A US 2004228857 A1 ZA 9108248 A	09-10-2002 04-02-1998 15-03-1999 13-01-1994 30-04-1992 18-04-1992 01-04-1999 02-09-1999 27-09-1999 08-12-2004 22-04-1992 01-08-1999 30-09-1999 22-04-1992 05-04-1994 25-03-1994 05-12-2002 20-02-2003 13-08-1996 13-08-1996 13-08-1996 18-11-2004 16-04-1993